



LUG-ALL®

Featherlight

WEIGH
ONLY
7½
TO
15 LBS.



WINCH-HOISTS

**CAPACITIES ½ TO 2 TONS
CABLE LENGTHS TO 38 FEET**

Dear Sir:

Since the first "featherlight" LUG-ALL portable Winch-Hoists in 1949, they've been widely accepted by plant maintenance men, contractors, utilities, mines, railroads, government agencies, sportsmen, etc. Truly the vest-pocket hoist with 1,001 uses. They pull, lift, lower, tighten, position, stretch at any angle—in any position, loads up to 2 tons.

LUG-ALL was the first lever ratchet hoist with strong, lightweight aluminum alloy construction, flexible aircraft cable storing on the drum, "safety valve" handle, positive interlocking pawl system—all combining to make it a very safe, reliable yet mechanically simple hoist. They have been imitated, but never equalled, and are in use all over the world.

The LUG-ALL line now includes 14 models—½ to 2 ton capacities—cable lengths from 10 to 38 feet. A new Cable Return Crank is available for rapid rewind of the cable under no-load condition. A companion line of slings and accessories help solve difficult rigging problems. Two LUG-ALL Car Door Puller models that have all of the outstanding Winch-Hoist features are the finest tools available for opening and closing "tough" box car doors.

On the following pages you will find many more outstanding features and specifications on the above equipment. We are confident that after you use it you will feel like the LUG-ALL user who wrote, "It can't be beat—it sure has saved time, money and our backs." Send in your requisition today—you and your men will be glad that you did.

Sincerely yours,

The Lug-All Company

LUG-ALL
SLINGS
MAKE
RIGGING JOBS
EASIER



1ST

**AND
STILL
THE
BEST**

**LUG-ALL CAR DOOR
PULLERS OPEN DOORS
EASILY—SAFELY**

IMITATED—BUT NEVER EQUALLED

THE LUG-ALL COMPANY, HAVERFORD, PENNA.

HOOK POSITION
NO. 1

NEW CABLE RETURN CRANK ATTACHMENT

All LUG-ALL portable Winch-Hoists can be ordered with this cable return crank at small additional charge. Especially useful on long cable models. See bottom of opposite page for details.

Reg. U.S.
Pat. Office

The standard eye hook in position #2 can be replaced at small additional charge with this removable clevis slip hook, which allows cable to pass thru a 1" hole allowing 5" head-room.

HOOK POSITION
NO. 2

MODEL
4000-20
SHOWN

HOOK POSITION
NO. 3

SAFETY HOOKS

Standard hooks can be replaced with safety hooks at a small extra charge per hook. When ordering specify positions at which safety hooks are desired.

HOOK OPENINGS

Lug-All Model	Hook Type	Pos. 1	Pos. 2	Pos. 3
3000-10	Std.	1 1/8"	1 1/8"	1 1/8"
2250-15	Safety	27/32"	27/32"	27/32"
1500-25	Std.	1 1/8"	1 1/8"	1 1/8"
4000-20	Safety	27/32"	27/32"	27/32"
3000-30	Std.	1 1/8"	1 1/8"	1 1/8"
2250-38	Safety	27/32"	27/32"	27/32"

LUG-ALL®

This descriptive folder has been prepared to give practical men the useful facts and full information about the popular LUG-ALL lightweight winch-hoist and other equipment.

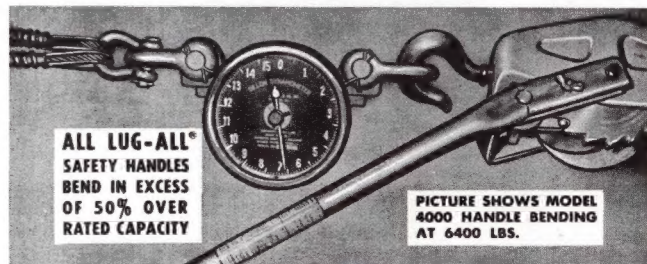
Below are some of its outstanding features. At right are illustrations of basic methods of rigging the LUG-ALL. Below these are the specifications including capacities, cable length and diameter, weights, etc. Also shown are the minimum distances between hooks for the three basic positions in which the LUG-ALL can be rigged.

PRACTICAL CONSTRUCTION

- Uses preformed 133 strand galvanized aircraft cable of 7 x 19 construction for maximum strength and greater flexibility.
- All cable stores on the drum—convenient when operating, compact when handling.
- Oiled-for-life bearings do not require attention.
- The LUG-ALL sturdy all-weather open construction makes it self-cleaning in mud, sand or ice.

ASSURED SAFETY

- Safety handle will bend when overloaded, long before any other part of hoist approaches its breaking point.
- Double interlocking pawls always lock automatically, thus eliminating the danger of slipping brakes.
- Automatic notch-per-cycle letdown assures absolute control.
- Free release works only when hoist is unloaded.
- Hooks are forged steel which will straighten but will not break if overstressed.
- Factory tested to 100% overload.



★ **LUG-ALLS CAN TAKE IT!**
AS SHOWN BY ABOVE DYNAMOMETER TEST

UNUSUAL VERSATILITY

- Two speeds—pull, lift or lower at full capacity (see "A" rig) or operate double speed at 1/2 rated capacity with twice the "reach" (see "B" rig).
- Close control and adjustment possible—operates in 1/4" steps when double rigged, 1/2" steps when single rigged.
- Unique triple hook system doubles hoist's usefulness.
- Operates smoothly right side up, upside down or at any angle—can be used as a winch or hoist.
- Handle can be removed and reversed in 20 seconds for greater flexibility.

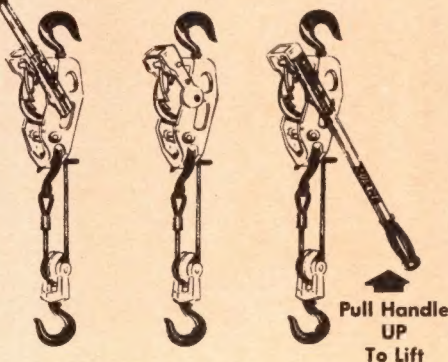
TRULY PORTABLE

- Its light weight of 7 to 15 pounds (depending on Model) and its compactness with the cable storing on the drum, make it easy to handle and rig.

Pull Handle
DOWN
To Lift

REMOVABLE REVERSIBLE SAFETY
HANDLE HAS MANY
ADVANTAGES

A LUG-ALL is tamperproof with handle removed. Can be operated one notch at a time in any handle position, making it ideal for tight spots.



SPECIAL RUST AND CORROSION RESISTANT MODELS

LUG-ALL Winch-Hoists are also made in a special "Marine" quality for use wherever serious corrosion problems exist.

Stainless steel cable is used instead of galvanized cable. All aluminum parts are anodized and steel parts are heavily cadmium plated or have M-100 oil treatment. Additional oiled-for-life bearings are used for maximum efficiency.

The added corrosion resistant qualities of "Marine" LUG-ALLS make them ideal for use at sea, in mines and chemical plants—wherever corrosion is a problem. Size, weight, etc. are the same as the standard models—see specifications chart on opposite page.

... most useful winch-hoist — regardless of price!

Lifts, Lowers, Pulls,
Stretches, Tightens, Bends ...
AT ANY ANGLE!

1. LUG-ALL moves heavy machinery, loads and unloads heavy equipment. Stretches and pulls fences, cables and conveyor belts. Perfect for all horizontal, pulling or bending requirements.



SEE PRICE
LIST FOR
INFORMATION
ON LUG-ALL
SLINGS

MINIMUM DISTANCE
13 INCHES

DOUBLE
CABLE
LIFT

SINGLE
CABLE
LIFT
OR PULL

2. Lifts or lowers motors, transformers, blowers, tools and equipment. On repetitive jobs drop ceiling mounted cable to arm's length for an easy hookup.

3. Plumbing work, wire pulling in conduits and other close quarter work is easy with LUG-ALL. Pulls 1 ton under such conditions. Minimum working space—13".

4. Heavier lifting and pulling easily accomplished using two or more LUG-ALLs in parallel. Ratchet action permits close coordination—also locks in any position AUTOMATICALLY!

5. INVERT your LUG-ALL to work from a platform or from an "A" Frame into a pit. One man can easily rig two LUG-ALLs to lift 1 ton 40 feet.

ABOVE SPECIFICATIONS APPLY TO MODEL 4000-20



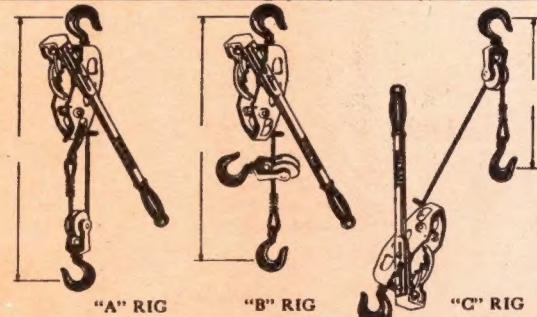
SIMPLIFIED MAINTENANCE

Simple parts are rugged, inexpensive and easy to install right on the job, should maintenance be necessary. Factory servicing is never required, thus saving time, shipping charges and factory repair bills. Servicing is a "snap" ... the pins and snap rings shown above lock the LUG-ALL together securely.

SEE SPECIFICATION CHART

See specifications chart for minimum distance between hooks for various models and rigs.

NOTE:—Models 4000-20, 3000-30 and 2250-38 are equipped with an eye bolt at the bottom of the frame to fasten the #2 hook (as shown in photo on opposite page) instead of the formed opening in the frame as shown. ➔



THE LUG-ALL IS FULLY GUARANTEED

Each LUG-ALL is fully guaranteed for one year against defective workmanship and/or materials.

CAUTION—For your safety, LUG-ALL handles are designed to bend before any load carrying parts are seriously overloaded.

* Fully salt spray tested for use wherever serious corrosion problems exist. Additional information on opposite page.

† Without pulley block.

LUG-ALL SPECIFICATIONS: HANDLE PULL AND WEIGHT IN POUNDS

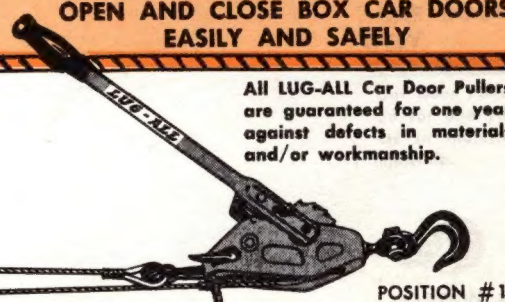
Lug-All Model No.	"A" RIG				"B" RIG				"C" RIG				Cable Diam.	Weight in Lbs.
	Capacity in Lbs.	Handle Pull in Lbs.	Lifting Distance	Min. Distance Between Hooks	Capacity in Lbs.	Handle Pull in Lbs.	Lifting Distance	Min. Distance Between Hooks	Capacity in Lbs.	Handle Pull in Lbs.	Lifting Distance	Min. Distance Between Hooks		
4000-20	4000	115	10'	26½"	2000	110	20'	18½"	2000	115	20'	13"	¼"	15
4000-20-M*	4000	115	10'	26½"	2000	110	20'	18½"	2000	115	20'	13"	¼"	15
3000-30	3000	100	15'	23½"	1500	97	30'	18"	1500	100	30'	10"	⅜"	13¾
3000-30-M*	3000	100	15'	23½"	1500	97	30'	18"	1500	100	30'	10"	⅜"	13¾
3000-10	3000	100	5'	21"	1500	97	10'	16"	1500	100	10'	10"	⅜"	9
3000-10-M*	3000	100	5'	21"	1500	97	10'	16"	1500	100	10'	10"	⅜"	9
2250-38	2250	86	19'	23½"	1125	83	38'	18"	1125	86	38'	10"	⅜"	13½
2250-38-M*	2250	86	19'	23½"	1125	83	38'	18"	1125	86	38'	10"	⅜"	13½
2250-15	2250	86	7½'	21"	1125	83	15'	16"	1125	86	15'	10"	⅜"	8¾
2250-15-M*	2250	86	7½'	21"	1125	83	15'	16"	1125	86	15'	10"	⅜"	8¾
1500-25	1500	67	12½'	21"	750	65	25'	16"	750	67	25'	10"	⅜"	8½
1500-25-M*	1500	67	12½'	21"	750	65	25'	16"	750	67	25'	10"	⅜"	8½
† 1000-15	—	—	—	—	1000	77	15'	16"	—	—	—	—	⅜"	7
† 1000-15-M*	—	—	—	—	1000	77	15'	16"	—	—	—	—	⅜"	7

LUG-ALL

CAR DOOR PULLERS

OPEN AND CLOSE BOX CAR DOORS
EASILY AND SAFELY

All LUG-ALL Car Door Pullers are guaranteed for one year against defects in materials and/or workmanship.



POSITION #1



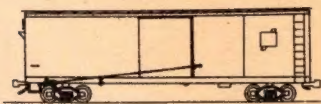
POSITION #2

POSITION #3

Because box cars vary as to length, door arrangements, etc., the extra long reach of the Model HDR-30 will prove its worth many times over. Below are three basic methods of rigging that can be used. Points of attaching will vary according to location of cleats, breastbeams, door tracks, etc. (Railroad companies request that ladders and grab irons NOT be used—if damaged this creates a safety hazard for their men.)



To Rig (Figure #1—3000 lb. pull, 15 ft. travel) secure #3 hook on door. Then the operator while holding Free Release Trigger walks to position for attaching #1 hook.



To Rig (Figure #2—1500 lb. pull, 30 ft. travel) secure #2 hook on door. Then the operator while holding Free Release Trigger walks to position for attaching #1 hook.



To Rig (Figure #3—3000 lb. pull, up to 20 ft. travel) secure #2 hook on car. Then the operator while holding Free Release Trigger walks to position for #3 hook then to position #1 hook.

**WEIGHS ONLY
11 LBS.**

MODEL NO. HDR-12

LUG-ALL Car Door Pullers are equipped with oversize hooks in positions 1 and 2. At the #1 position an eye bolt and clevis slip hook permit right angle anchoring without undue stress on the hooks or frame. The large hooks secure easily on breastbeams, door tracks, etc.

**RATED PULL
3000 LBS.**
BOTH MODELS

Keep shipping schedules "On Time"—with compact, lightweight, portable LUG-ALL Car Door Pullers. No more banging and prying with heavy bars and hammers, or risking accidents and damaging lift trucks by "ramming" box car doors. Your men will like these units as they are lighter and easier to handle than any other equipment available for this work. The tested and user approved LUG-ALL Car Door Puller enables one man to do the job safely and quickly.

Features

STURDY CONSTRUCTION—Rugged main frame protects drum and ratchet teeth from damage when rubbing against box car doors and sides. Galvanized 7/32" 133 strand preformed 7 x 19 aircraft cable for maximum strength and flexibility.

- Interlocking pawl system—cannot slip.
- Only two springs—both of stainless steel.
- Oiled-for-life bearings—no servicing required.
- Open construction—permits easy removal of mud, sand or ice.

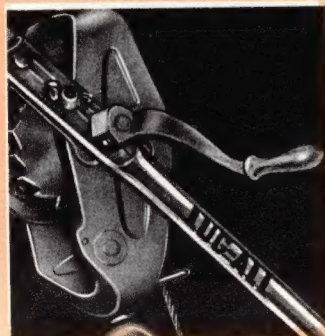
ASSURED SAFETY—LUG-ALL Car Door Pullers are tested to 100% overload. The "safety handle" bends before the unit is severely overloaded.

LONG REACH—The 30 foot reach on Model HDR-30 will open 50 ft. box cars from the end of the car.

FLEXIBLE—Can be rigged double or single cable, or three point attachment can be used.

LUG-ALL CAR DOOR PULLER SPECIFICATIONS

MODEL	CABLE RIGGED DOUBLE			CABLE RIGGED SINGLE			Weight in Lbs.
	Capacity in Lbs.	Handle Pull in Lbs.	Pulling Distance in Ft.	Capacity in Lbs.	Handle Pull in Lbs.	Pulling Distance in Ft.	
HDR-30	3000	100	15	1500	97	30	15½
HDR-12	3000	100	5	1500	97	10	11



NEW LUG-ALL CABLE RETURN CRANK

Returns Cable to Drum in Just Seconds . . .

A high strength aluminum alloy crank fitted with a pin designed to shear before the crank approaches its breaking point. A solid drum shaft locking pin is used to increase strength. Especially useful on long cable models. The crank is easily detached when the hoist is used in close quarters. Available on all LUG-ALL portable Winch-Hoists for small extra charge.

CONVERSION KITS

For Field Installation of Cranks
On All LUG-ALLs

- Includes: 1—Crank Handle with Spring Loaded Locking Pin
1—Special Drum Shaft
1—Special Drum Shaft Locking Pin

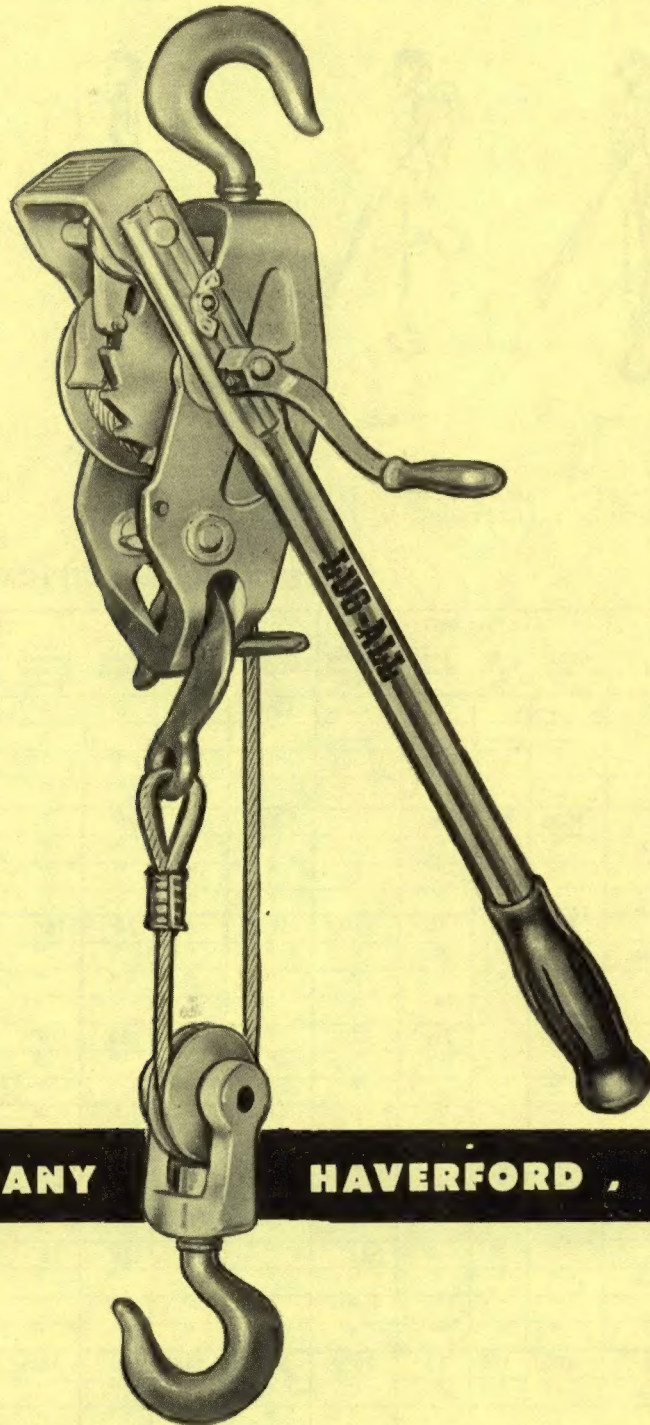
For LUG-ALL Models 4000-20, 3000-30, 2250-38 order Crank Kit C-1
For Models 3000-10, 2250-15, 1500-25, 1000-15 order Crank Kit C-5
Please specify Model number of Hoist when ordering.

ESPECIALLY USEFUL ON LUG-ALL "LONG REACH" MODELS

The
LUG-ALL
Company

Price List and Requisition Form

REG. U.S. PATENT OFFICE
OTHER U.S. PATS. PEND.
AND FOREIGN PATS.



THE **LUG-ALL** COMPANY

HAVERFORD, PENNA.

DISTRIBUTED BY

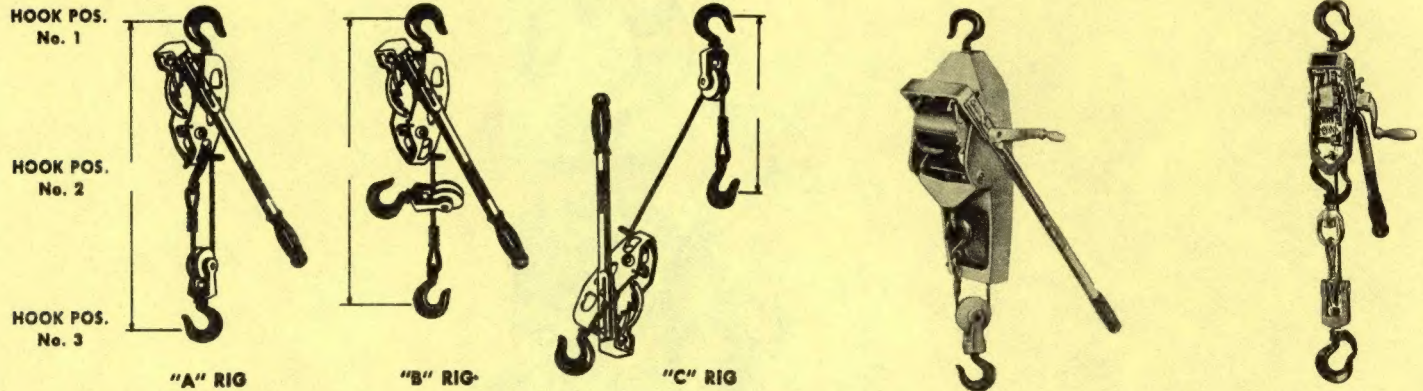
LUG-ALL WINCH-HOISTS

All LUG-ALL Winch-Hoists are equipped with preformed galvanized (except "Marine" models) 133 strand flexible aircraft cable. The reversible "Safety Handles" are designed to bend when the units are severely overloaded.

Two types of LUG-ALLs are listed on this sheet. The new Rapid Lowering Series* is designated by the suffix "R" in the model number. These units lower (or back off) 4 notches per stroke of the handle for lowering greater distances more quickly, OR notch-per-cycle, which allows finer hook movement for positioning work, etc. All other models lift or pull the same as the above, but lower notch-per-cycle only.

Both types are available in two grades, i.e., Standard and "Marine". The Standard grade is satisfactory for normal out-of-door conditions. The "Marine" grade has anodized aluminum castings, stainless steel cable, oiled-for-life bearings throughout and other corrosion resistant coatings and materials to provide trouble free service where highly corrosive conditions exist. These units have the suffix "M" in the model number.

*Patent Pending



Note: The frame of the models with 22', 31' 6" and 39' 6" have an eye bolt to receive the hook at position No. 2 instead of the formed opening illustrated above.

The Model 450-R is built on a new style frame (shown above) to accommodate the 50 foot cable.

Model 3000-10-U
Model 4000-20-U
see bottom of next page

LUG-ALL SPECIFICATIONS

	LUG-ALL Model No.	"A" RIG				"B" RIG				"C" RIG				CABLE		Weight in Lbs.
		Capacity in Lbs.	Handle Pull in Lbs.	Lifting Distance	Min. Distance Between Hooks	Capacity in Lbs.	Handle Pull in Lbs.	Lifting Distance	Min. Distance Between Hooks	Capacity in Lbs.	Handle Pull in Lbs.	Lifting Distance	Min. Distance Between Hooks	Diam.	Length	
½ TON CAP.	1000-15*					1000	77	15'	16"					3/16"	16'	7
	1000-15-M*					"	"	"	"					"	"	"
	115-R*					"	"	"	"					"	"	"
	115-R-M*					"	"	"	"					"	"	"
¾ TON CAP.	1500-25	1500	67	12½'	21"	750	65	25'	"	750	67	25'	10"	5/32"	26'	8½
	1500-25-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	125-R	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	125-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
1½ TON CAP.	2250-38	2250	86	19'	23½"	1125	83	38'	18"	1125	86	38'	"	3/16"	39'-6"	13¾
	2250-38-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	238-R	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	238-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	2250-15	"	"	7½'	21"	"	"	15'	16"	"	"	15'	"	"	16'	8¾
	2250-15-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	215-R	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	215-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
1½ TON CAP.	3000-30	3000	100	15'	23½"	1500	97	30'	18"	1500	100	30'	"	7/32"	31'-6"	13¾
	3000-30-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	330-R	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	330-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	3000-10	"	"	5'	21"	"	"	10'	16"	"	"	10'	"	"	11'-6"	9
	3000-10-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	310-R	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	310-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
2 TON CAP.	4000-20	4000	115	10'	26½"	2000	110	20'	18½"	2000	115	20'	13"	¼"	22'	15½
	4000-20-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	420-R	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	420-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
	450-R	"	"	25'	31"	"	"	50'	24"	"	"	50'	"	"	53'	32
	450-R-M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"

*Without Pulley Block

1/2 TON CAPACITY		STANDARD	MARINE
SEND.....	STANDARD MODEL 1000-15	\$29.50 EA	\$.....
SEND.....	MARINE MODEL 1000-15-M		\$35.50 EA \$.....
SEND.....	STANDARD MODEL 115-R (RAPID LOWERING MODEL)	\$34.50 EA	\$.....
SEND.....	MARINE MODEL 115-R-M (RAPID LOWERING MODEL)		\$40.50 EA \$.....

3/4 TON CAPACITY			
SEND.....	STANDARD MODEL 1500-25	\$37.60 EA	\$.....
SEND.....	MARINE MODEL 1500-25-M		\$48.10 EA \$.....
SEND.....	STANDARD MODEL 125-R (RAPID LOWERING MODEL)	\$42.60 EA	\$.....
SEND.....	MARINE MODEL 125-R-M (RAPID LOWERING MODEL)		\$53.10 EA \$.....

1 1/8 TON CAPACITY			
SEND.....	STANDARD MODEL 2250-38	\$53.30 EA	\$.....
SEND.....	MARINE MODEL 2250-38-M		\$65.70 EA \$.....
SEND.....	STANDARD MODEL 238-R (RAPID LOWERING MODEL)	\$58.30 EA	\$.....
SEND.....	MARINE MODEL 238-R-M (RAPID LOWERING MODEL)		\$70.70 EA \$.....
SEND.....	STANDARD MODEL 2250-15	\$36.75 EA	\$.....
SEND.....	MARINE MODEL 2250-15-M		\$43.90 EA \$.....
SEND.....	STANDARD MODEL 215-R (RAPID LOWERING MODEL)	\$41.75 EA	\$.....
SEND.....	MARINE MODEL 215-R-M (RAPID LOWERING MODEL)		\$48.90 EA \$.....

1 1/2 TON CAPACITY			
SEND.....	STANDARD MODEL 3000-30	\$53.70 EA	\$.....
SEND.....	MARINE MODEL 3000-30-M		\$66.50 EA \$.....
SEND.....	STANDARD MODEL 330-R (RAPID LOWERING MODEL)	\$58.70 EA	\$.....
SEND.....	MARINE MODEL 330-R-M (RAPID LOWERING MODEL)		\$71.50 EA \$.....
SEND.....	STANDARD MODEL 3000-10	\$37.80 EA	\$.....
SEND.....	MARINE MODEL 3000-10-M		\$46.80 EA \$.....
SEND.....	STANDARD MODEL 310-R (RAPID LOWERING MODEL)	\$42.80 EA	\$.....
SEND.....	MARINE MODEL 310-R-M (RAPID LOWERING MODEL)		\$51.80 EA \$.....

2 TON CAPACITY			
SEND.....	STANDARD MODEL 4000-20	\$53.50 EA	\$.....
SEND.....	MARINE MODEL 4000-20-M		\$66.00 EA \$.....
SEND.....	STANDARD MODEL 420-R (RAPID LOWERING MODEL)	\$58.50 EA	\$.....
SEND.....	MARINE MODEL 420-R-M (RAPID LOWERING MODEL)		\$71.00 EA \$.....
SEND.....	STANDARD MODEL 450-R (RAPID LOWERING MODEL) *	\$115.50 EA	\$.....
SEND.....	MARINE MODEL 450-R-M (RAPID LOWERING MODEL) *		\$142.50 EA \$.....

*EQUIPPED WITH CABLE RETURN CRANK AS STANDARD.

ADD THESE USEFUL ACCESSORIES CABLE RETURN CRANK ATTACHMENT

ESPECIALLY USEFUL ON THE LONG CABLE MODELS FOR RETURNING CABLE TO DRUM UNDER NO-LOAD CONDITION. (TO EQUIP EXISTING LUG-ALLS WITH CRANK ORDER CONVERSION KITS @ \$3.75 EA. INCL. CRANK HANDLE, SPEC. SHAFT. WHEN ORDERING STATE MODEL NO.)

ADD \$2.50 EXTRA PER HOIST ORDERED WITH CRANK ATTACHMENT \$.....

SAFETY LATCH HOOKS

SAFETY LATCH HOOKS CAN BE INSTALLED AT ANY HOOK POSITION FOR ONLY \$1.00 PER HOOK. (AS SHOWN ON LEFT)

INSTALL SAFETY HOOKS AT POSITION 1 ☐ 2 ☐ 3 ☐ \$.....

DETACHABLE CLEVIS SLIP HOOKS

REPLACES EYE HOOK AT POS. NO. 2 AND WHEN REMOVED ALLOWS END OF CABLE TO PASS THROUGH 1" DIAM. HOLE. CLEVIS HOOK CAN THEN BE ATTACHED AND LOAD LIFTED TO 5" HEADROOM IN "B" RIG. NOT AVAILABLE WITH SAFETY LATCH. \$1.00 EACH WHEN ORDERED SEPARATELY—SEE BACK PAGE

ADD 50c EXTRA PER HOIST ORDERED WITH CLEVIS SLIP HOOK \$.....

LUG-ALL WINCH-HOISTS EQUIPPED WITH UTILITY APPROVED SAFETY HOOKS														
LUG ALL MODEL NO.		TWO PART CABLE RIG			SINGLE CABLE RIG			RIGGED SINGLE CABLE OVER PULLEY BLOCK			Handle Pull in lbs.	Cable Diam.	Weight in lbs.	Price F.O.B.
		Capacity in lbs.	Lift- ing Dist.	Min. Dist. Between Hooks	Capacity in lbs.	Lift- ing Dist.	Min. Dist. Between Hooks	Capacity in lbs.	Lift- ing Dist.	Min. Dist. Between Hooks				
1½ TON CAP	3000-10 U	3000	5'	26"	1500	10'	21¾"	1500	10'	14¾"	100	7/32"	10	59.80
	3000-10 U less #2 swivel eye hook	3000	5'	21½"	THE CABLE IS SECURED DIRECTLY TO FRAME INSTEAD OF ATTACHING WITH A HOOK. THIS PERMANENTLY FIXES HOIST IN 2 PART CABLE RIG.						100	7/32"	8¾	51.80
2 TON CAP	4000-20 U	4000	10'	30¾"	2000	20'	24¼"	2000	20'	16"	115	¼"	16½	79.50
	4000-20 U less #2 swivel eye hook	4000	10'	25¾"	THE CABLE IS SECURED DIRECTLY TO FRAME INSTEAD OF ATTACHING WITH A HOOK. THIS PERMANENTLY FIXES HOIST IN 2 PART CABLE RIG.						115	¼"	15¼	71.50

TOTAL THIS PAGE \$.....

LUG-ALL SLINGS AND ACCESSORIES

EXTEND THE REACH AND INCREASE THE USES OF YOUR LUG-ALL WINCH-HOISTS

SINGLE SLINGS

MODEL 1S-8—Eight feet long, using $\frac{7}{32}$ " diameter galvanized flexible aircraft cable with a breaking strength of 5600 lbs. Different size thimbles at each end permit noose effect.

SEND.....1S-8 SLINGS @ \$4.50 EACH \$.....

MODEL 1X-10—Ten feet long, using $\frac{1}{4}$ " diameter galvanized flexible aircraft cable with a breaking strength of 7000 lbs. Different size thimbles at each end permit noose effect.

SEND.....1X-10 SLINGS \$6.60 EACH \$.....

MODEL 1X—Special Single Sling—Same as above but cut to length you specify.

SEND.....1X Special SLINGS, EACH.....FT. LONG at \$3.00 BASE PRICE PLUS 45¢ PER FOOT \$.....

DOUBLE SLINGS

MODEL 2S-5—Each leg 5 ft. long employing $\frac{7}{32}$ " diameter galvanized flexible aircraft cable with a breaking strength of 5600 lbs. for each leg.

SEND.....2S-5 SLINGS @ \$6.50 EACH \$.....

MODEL 2X-7—Each leg 7 ft. long employing $\frac{1}{4}$ " diameter galvanized flexible aircraft cable with a breaking strength of 7000 lbs. for each leg.

SEND.....2X-7 SLINGS @ \$8.80 EACH \$.....

MODEL 2X—Special Double Sling—Same as above, but cut to length you specify.

SEND.....2X Special SLINGS, EACH LEG.....FT. LONG at \$4.50 BASE PRICE PLUS 90¢ PER FOOT \$.....

DETACHABLE CLEVIS SLIP HOOKS

For use with slings described above. Can be attached by simply removing the locking pin.

SEND.....CLEVIS SLIP HOOKS @ \$1.00 EACH \$.....

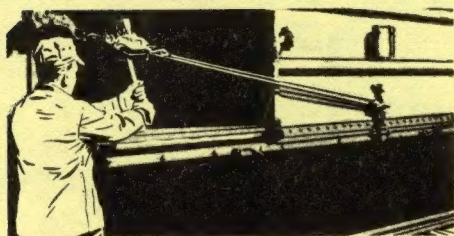
DETACHABLE CLEVIS GRAB HOOKS

To be used only for connecting to chain between links.

SEND.....CLEVIS GRAB HOOKS @ \$1.00 EACH \$.....

Stainless steel cable slings available in above sizes for use wherever serious corrosion problems exist. Includes especially treated fittings and hooks. Prices on request upon receipt of your requirements.

LUG-ALL CAR DOOR PULLERS



LUG-ALL CAR DOOR PULLERS can be rigged double cable (as shown above) for extra power on really "tough" doors, or they can be rigged single cable for extra long reach. The 30' reach on the Model HDR-30 will open 50' box car doors from the end of the car.

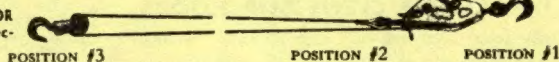
MODEL HDR-30—Same construction as standard Model 3000-30 Lug-All Winch-Hoist, except for eye bolt at position No. 1 and oversize clevis slip hooks on positions No. 1 and No. 2. Rigged double cable it offers a rated pulling capacity of 3000 lbs. and a reach of 15 feet. Rigged single cable it offers 30 foot reach and a rated pulling capacity of 1500 lbs. Weighs 15½ lbs. complete.

SEND.....MODEL 30 AT \$56.00 EACH \$.....

MODEL HDR-12—Same construction as standard Model 3000-10 Lug-All Winch-Hoist, except for the modifications as specified on above Model HDR-30. Rated pulling capacities are also the same with a reach of 5 feet and 10 feet respectively. Weighs 11 lbs. complete.

SEND.....MODEL 12 AT \$39.75 EACH \$.....

GUARANTEED—Every LUG-ALL CAR DOOR PULLER is guaranteed for one year against defective parts and/or workmanship.



TOTAL ORDER \$.....
Prices plus transportation

THE LUG-ALL COMPANY, HAVERFORD

PENNA.

Date.....

Firm Name.....

Signed by.....

Street.....

Title.....

City.....

State.....